



SONNENSCHN, NATH & ROSENTHAL

8000 Sears Tower
233 S. Wacker Drive
Chicago, IL 60606
312/876-8000

2873
CC

IN RE APPLICATION OF: Keiichi Nito, et al. ATTORNEY DOCKET NO. 09792909-4679
SERIAL NO.: 09/711,651 GROUP ART UNIT: 2873
FILED: November 13, 2000 EXAMINER: W. Choi
FOR: "LIGHT MODULATION APPARATUS AND IMAGE PICKUP APPARATUS AND DRIVE METHODS THEREOF"

AMENDMENT "D"

Hon. Assistant Commissioner of Patents
Washington D.C. 2023
SIR:

Transmitted herewith is an amendment in the above-identified application.

☐ No additional claim fee is required.

The fee has been calculated as shown below.

| CLAIMS AS AMENDED | | | | | | | |
|--|------------------|--|-------|--|-------------------------|--|--------------------------|
| | | (2) CLAIMS REMAINING AFTER AMENDMENT | | (4) HIGHEST NO. PREVIOUSLY PAID FOR | (5) PRESENT EXTRA | (6) RATE | (7) ADDITIONAL FEE |
| | TOTAL CLAIMS | 44 | MINUS | 162 | | () X 9.00 (X) X 18.00 | 0.00 |
| | INDEP. CLAIMS | 17 | MINUS | 14 | 3 | () X 42.00 (X) X 84.00 | 252.00 |
| Application amended to contain any multiple dependent claims not previously paid for. | | | | | () YES () NO | () \$140.00 () \$280.00 ONE TIME | |
| | | | | TOTAL ADDITIONAL FEE FOR THIS AMENDMENT | | \$252.00 | |

* If the entry in Column 2 is less than the entry in Column 4, write "0" in Column 5.

** If the Highest Number Previously Paid For IN THIS SPACE is less than 20 write "20" in this space.

- ☐ Applicant petitions the Commissioner of Patents and Trademarks to extend this time for response to the Office Action dated _____ for _____ month(s) so that the period for response is extended to _____.
- ☒ The Commissioner is requested and authorized to charge the amount of \$ 252.00 for the additional claim fee to applicant's attorneys' American Express Account. Form 2038 is attached for that purpose.
- ☐ A check for \$ _____ accompanying attached Terminal Disclaimer under 37 C.F.R. §1.321.
- ☐ A check for \$ _____ and Petition
- ☒ The Commissioner is hereby authorized to any additional fees which may be required, or to credit any overpayment to account No. 19-3140. A duplicate of this sheet is enclosed.
- When phoning re this application, please call 312/876-8000 - Ext. 2606.

SONNENSCHN NATH & ROSENTHAL

BY Christopher P. Rauch (Reg. No. 45,034)

Christopher P. Rauch
CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to the Assistant Commissioner of Patents, Washington, D.C. 20231 on April 16, 2003.

Christopher P. Rauch
SIGNATURE
April 16, 2003

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THE UNITED STATES PATENT AND TRADEMARK OFFICE
APPLICANT(S): Keiichi NITO , et al. ATTORNEY DOCKET NO.: 09792909-4679
SERIAL NO.: 09/711,651 GROUP ART UNIT: 2873
DATE FILED: November 13, 2000 EXAMINER: W. CHOI
INVENTION: "LIGHT MODULATION APPARATUS AND IMAGE PICKUP
APPARATUS AND DRIVE METHODS THEREOF"

11/C
4-29-03
CB

AMENDMENT "D"

Assistant Commissioner for Patents
Washington, DC 20231

SIR:

This Amendment "D" is filed in response to the Office Action of January 16, 2003.
Please reconsider the application in view of the amendments and remarks presented below.

IN THE CLAIMS

Please amend claims 10, 74, 75, 76, 80, 83, 86, 115, 150, 151, 152, 155, 156, 159 and 162 as follows:

10. (Amended) A light modulation apparatus according to claim 6, wherein the basic frequency and the modulated pulse width are adjusted in such a manner as to prevent the occurrence of flicker in stationary drive of said light modulation apparatus.

74. (Amended) An image pickup apparatus comprising:
a light modulation apparatus including a liquid crystal device, a drive pulse generation unit for driving said liquid crystal device, and a pulse width control unit for modulating a pulse width of each drive pulse to be applied to said liquid crystal device, thereby controlling a transmittance of light made incident on said liquid crystal device;

wherein said light modulation apparatus is disposed in an optical path of an optical system of said image pickup apparatus; and

wherein the pulse width of each drive pulse is modulated with its pulse height kept constant.

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11/11/03

2003